

2012 GEOTECHNICAL ENGINEER EXAMINATION REFERENCE LIST

The following is a list of recommended references for the Geotechnical Engineer examination. References included in the list should be considered suggested material only.

1. **An Engineering Manual for Slope Stability Studies**; J. M. Duncan, A.L. Buchignani and M. DeWet (March 1987)
2. **An Introduction to Geotechnical Engineering, 2nd Edition**; Robert D. Holtz et al. (2010)
3. **Annual book of ASTM Standards, Section 4 – Construction, Volume 04.08: Soil and Rock (I);** D 420 – D 5876 (current edition)
4. **Annual Book of ASTM Standards, Section 4 – Construction, Volume 04.09: Soil and Rock (II);** D 5877 (current edition)
5. **California Building Code, Volume II** (2010)
6. **Designing with Geosynthetics, 5th Edition**; Robert M. Koerner (2005)
7. **Evaluation of Settlements in Sands Due to Earthquake Shaking**; K. Tokimatsu and H. B. Seed; ASCE Journal of Geotechnical Engineering, Vol. 113, No. 8 (August 1987)
8. **Seepage Analysis and Control for Dams**, Engineer Manual No. 1110-2-1901
Available through website: <http://140.194.76.129/publications/eng-manuals/em1110-2-1901/change.pdf>
9. **Foundation Analysis and Design, 5th Edition**; Joseph E. Bowles (2001)
10. **Foundation Design Principles and Practices, 2nd Edition**; Donald P. Coduto (2001)
11. **Foundation Engineering, 2nd Edition**; Ralph B. Peck, Walter E. Hansen and Thomas H. Thornburn (1974)
12. **Foundation Engineering Handbook, 2nd Edition**; Hsai-Yang Fang (Editor); Van Nostrand Reinhold (1991)
13. **Geotechnical Earthquake Engineering**; Steven L. Kramer (1996)
14. **Geotechnical Engineering Principles and Practices; 2nd Edition**, Donald P. Coduto et al. (2010)
15. **Guidelines for Evaluating and Mitigating Seismic Hazards in California**; California Division of Mines and Geology, Special Publication 117A (2008)
Available through website: <http://www.conservation.ca.gov/cgs/shzp/Pages/shmppgminfo.aspx>
16. **Highway Design Manual, Chapters 600-670**, Caltrans
Available through website: <http://www.dot.ca.gov/hq/opd/hdm/hdmtoc.htm>
17. **Liquefaction Resistance of Soils: Summary Report from the 1996 NCEER and 1998 NCEER/NSF Workshops on Evaluation of Liquefaction Resistance of Soils**; T.L. Youd and I.M. Idriss; Journal of Geotechnical and Geoenvironmental Engineering, Vol. 127, No. 4, April 2001 or Vol. 127, No. 10 (October 2001)
18. **Principles of Foundation Engineering, 7th Edition**; Braja M. Das (2010)
19. **Professional Engineers' Act and Board Rules; Board for Professional Engineers and Land Surveyors** (2011)

2012 GEOTECHNICAL ENGINEER EXAMINATION REFERENCE LIST (cont.)

- 20. Soil Liquefaction During Earthquakes;** I.M. Idriss and R.W. Boulanger, Earthquake Engineering Research Institute (2008)
- 21. Recommended Procedures for Implementation of DMG Special Publication 117: Guidelines for Analyzing and Mitigating Liquefaction Hazards in California;** Southern California Earthquake Center; USC (March 1999)
Available through website: <http://www.scec.org>
- 22. Seepage, Drainage, and Flow Nets, 3rd Edition;** Harry R. Cedergren; John Wiley and Sons, 1989
- 23. Soil Dynamics and Special Design Aspects,** Department of Defense Handbook, MIL-HDBK-1007/3 (Superseding NAVFAC DM 7.3); Department of Defense (1997)
Available through website: <http://vulcanhammer.net/geotechnical/mh10073.pdf>
- 24. Soil Mechanics;** William T. Lambe and Robert V. Whitman; John Wiley and Sons, 1969
- 25. Soil Mechanics, Design Manual 7.01 and 7.02;** Department of the Navy, Naval Facilities Engineering Command; U.S. Government Printing Office (1986)
Available through website: http://web.mst.edu/~rogersda/umrcourses/ge441/dm7_01.pdf
- 26. Soil Mechanics in Engineering Practice, 3rd Edition;** Karl Terzaghi, Ralph B. Peck and Gholamreza Mesri (1996)